

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-3 (withdrawn)

Claim 4 (currently amended): A production capability simulating method, the method comprising the steps of:

- (a) selecting an original MPS to be simulated;
- (b) selecting a simulation mode;
- (c) simulating the original MPS according to the selected simulation mode and a default scheduling rule, and generating simulation results;
- (d) generating a simulation report based on the simulation results;
- (e) determining whether there are one or more contingencies that require rescheduling of the original MPS;
- (f) amending the original MPS if there are no said contingencies, and returning to step (c) regarding the amended MPS; and
- (g) generating an optimized MPS if there are no said contingencies or when said contingencies have been eliminated by applicable previous steps hereof, and generating weekly production schedules based on the optimized MPS.

Claim 5 (original): The production capability simulating method as claimed in claim 4, wherein the selected simulation mode at step (b) is an RCCP simulation mode.

Claim 6 (original): The production capability simulating method as claimed in claim 4, wherein the selected simulation mode at step (b) is an MRP simulation mode.

Claim 7 (original): The production capability simulating method as claimed in claim 5, wherein the simulation report includes information on one or more workstations that have insufficient production capability.

Claim 8 (original): The production capability simulating method as claimed in claim 6, wherein the simulation report includes information on one or more production materials that are in shortage.

Claim 9 (original): The production capability simulating method as claimed in claim 5, wherein said contingencies comprise insufficient production capability of one or more workstations.

Claim 10 (original): The production capability simulating method as claimed in claim 6, wherein said contingencies comprise one or more insufficient production materials.

Claim 11 (currently amended): A production capability simulating method comprising:

- (a) retrieving relevant data;
- (b) maintaining MPS (Master Production Schedule) parameters, wherein the MPS parameters comprises production modes, ATP (Available to Promise), and DTF (Demand Time Fence);
- (c) generating an original MPS according to the MPS parameters;
- (d) simulating RCCP (Rough-Cut Capacity Planning) and MRP (Material Requirements Planning), and determining whether the production capability and the production materials can meet the demands of the original MPS;
- (e) amending the original MPS based upon a simulation result, if required if there is insufficient production capability or lack of production materials; and
- (f) ~~Generating~~ generating an optimized MPS after one or more amendments of the original MPS.